

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
 Data File : BE100283.D
 Acq On : 2 Jul 2019 2:56
 Operator : JU/SJ
 Sample : K3446-15
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW114-061819

Manual Integrations
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mohammad
 7/3/2019 10:52:50 PM

Quant Time: Jul 02 04:14:50 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	1099	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	3758	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2820	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	7556	0.40	ng	0.00
27) Chrysene-d12	21.24	240	10402	0.40	ng	0.00
34) Perylene-d12	23.68	264	12001	0.40	ng	0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.23	112	809	0.29	ng	0.01
5) Phenol-d6	6.83	99	1137	0.31	ng	-0.01
8) Nitrobenzene-d5	8.81	82	1165	0.31	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	2536	0.36	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	635	0.32	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	3432	0.31	ng	-0.01
25) Fluoranthene-d10	19.10	212	35917	0.33	ng	0.00
29) Terphenyl-d14	19.70	244	7806	0.36	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.48	128	13257	0.320	ng	99
12) 2-Methylnaphthalene	12.11	142	1945	0.267	ng	98
16) Acenaphthylene	14.04	152	13908	1.028	ng	99
17) Acenaphthene	14.38	154	1483	0.193	ng	97
18) Fluorene	15.35	166	3616	0.319	ng	# 92
23) Phenanthrene	17.09	178	105500	5.761	ng	100
24) Anthracene	17.19	178	18265	1.108	ng	# 96
26) Fluoranthene	19.13	202	334154	11.455	ng	99
28) Pyrene	19.50	202	339926	12.343	ng	# 95
30) Benzo(a)anthracene	21.23	228	246697	7.213	ng	98
31) Chrysene	21.28	228	241210	7.023	ng	95
32) Bis(2-ethylhexyl)phthalate	21.16	149	115726	2.336	ng	100
33) Indeno(1,2,3-cd)pyrene	26.25	276	153905	3.388	ng	# 96
35) Benzo(b)fluoranthene	22.94	252	310144	9.532	ng	# 97
36) Benzo(k)fluoranthene	22.98	252	100368m	2.763	ng	
37) Benzo(a)pyrene	23.57	252	215940m	6.622	ng	
38) Dibenzo(a,h)anthracene	26.26	278	40548	1.191	ng	# 91
39) Benzo(a,h,i)perylene	27.04	276	156357	4.469	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

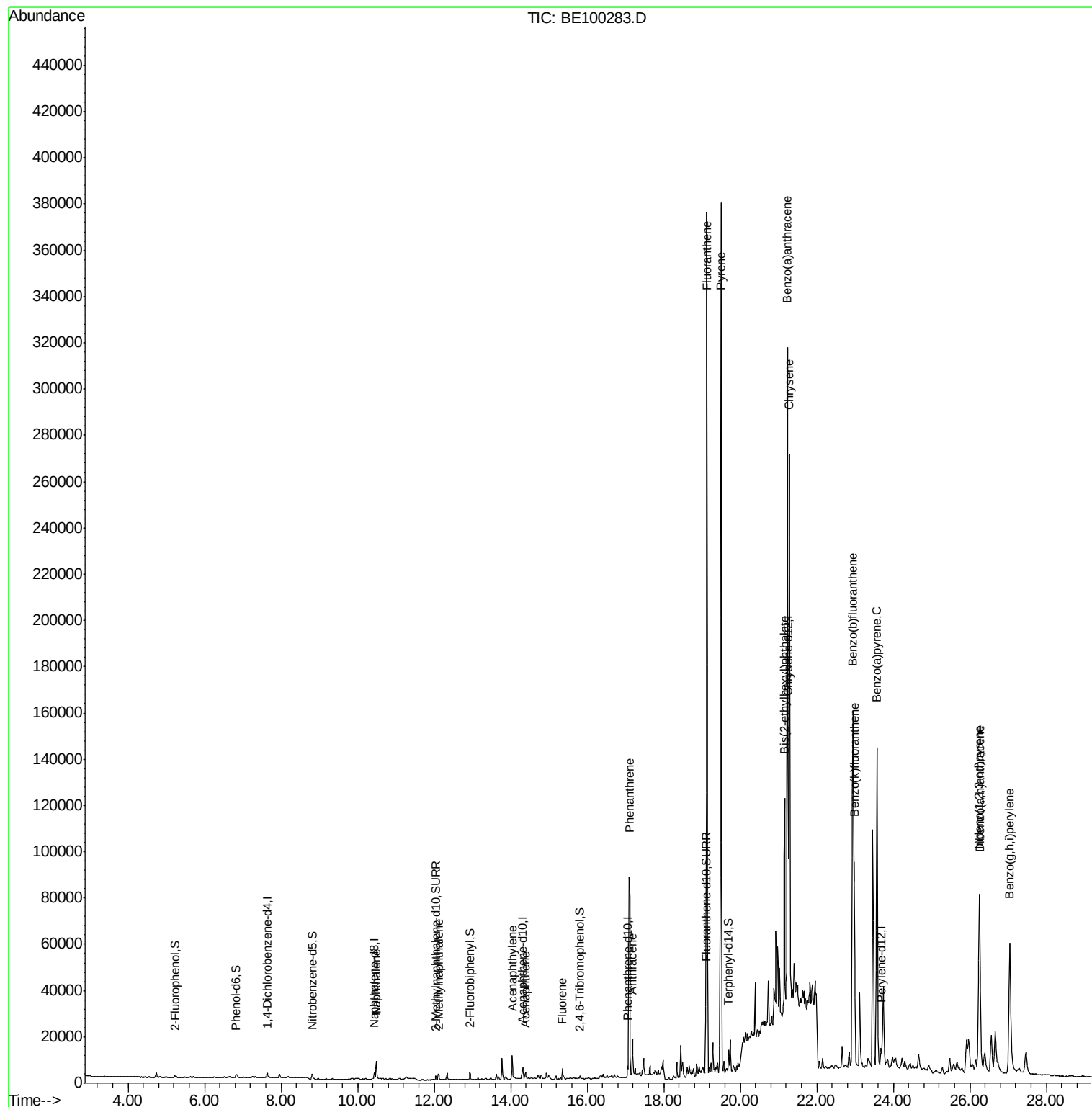
Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE070119\
Data File : BE100283.D
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Operator : JU/SJ
Sample : K3446-15
Misc :
ALS Vial : 24 Sample Multiplier: 1

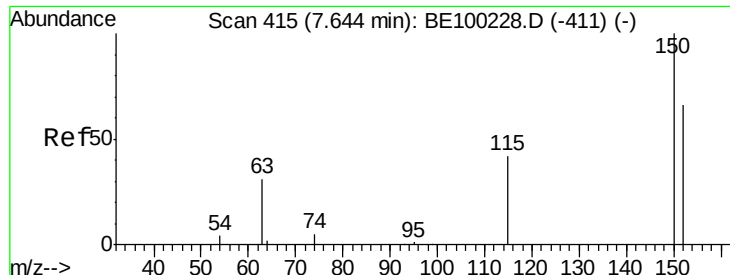
Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819

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Quant Time: Jul 02 04:14:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE062819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 14:06:53 2019
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#1

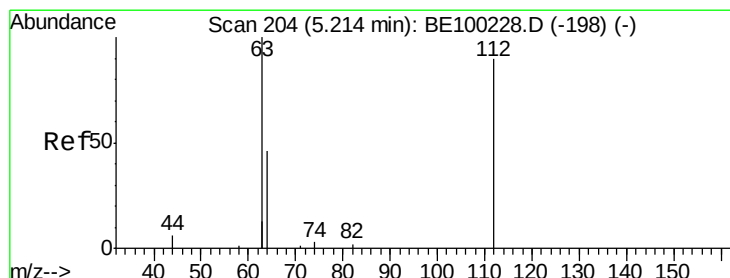
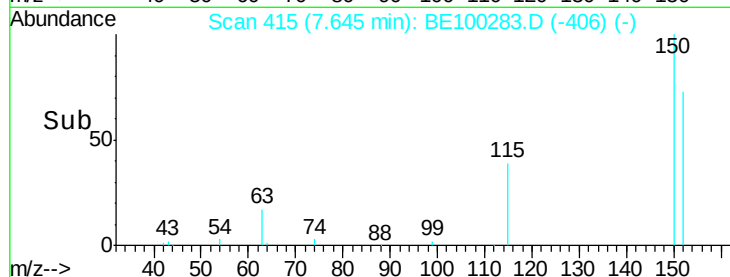
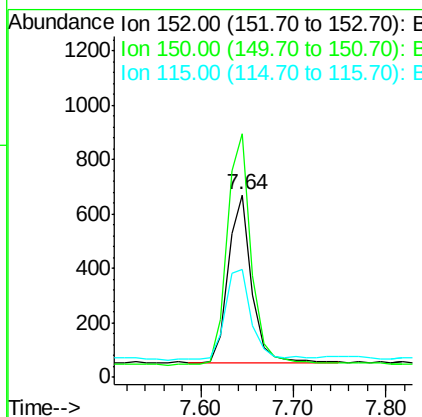
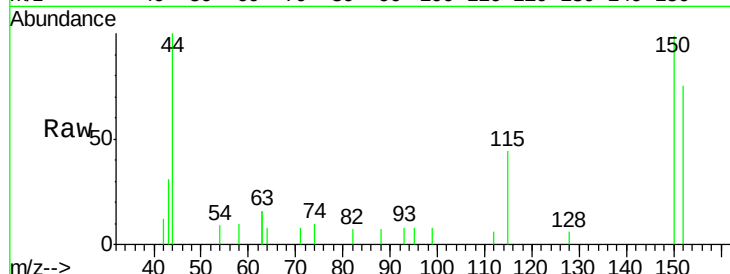
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. 0.00 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819

Tot Ion	Ratio	Lower	Upper
152	100		
150	133.3	114.5	171.7
115	59.1	57.1	85.7

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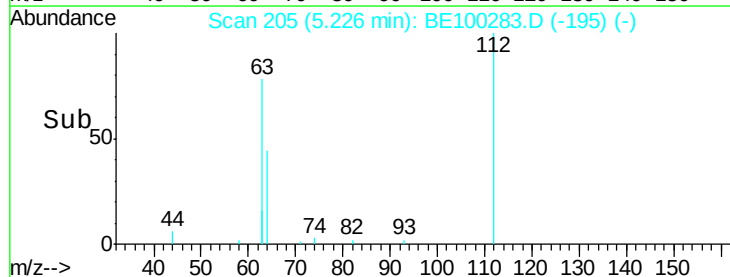
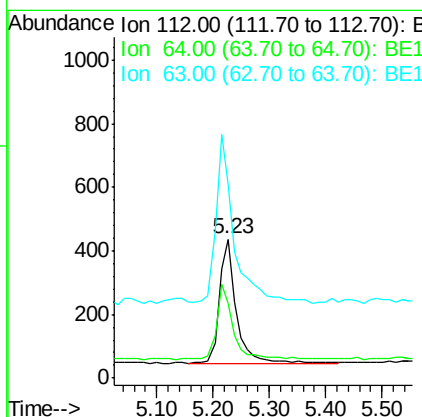
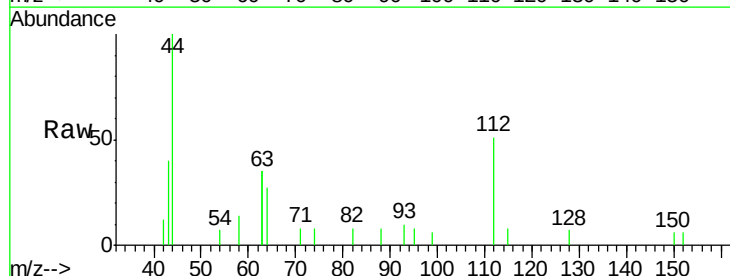
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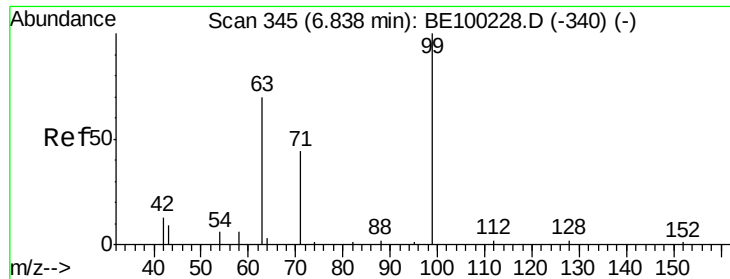


#4

2-Fluorophenol
Concen: 0.289 ng
RT: 5.23 min Scan# 205
Delta R.T. 0.01 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	39.4	59.0#
63	145.4	104.5	156.7





#5

Phenol-d6

Concen: 0.308 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100283.D

Acq: 2 Jul 2019 2:56

Instrument :

BNA_E

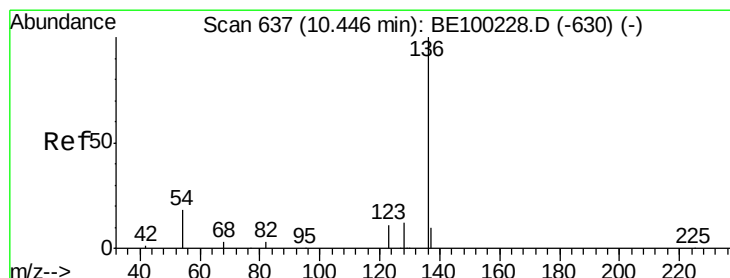
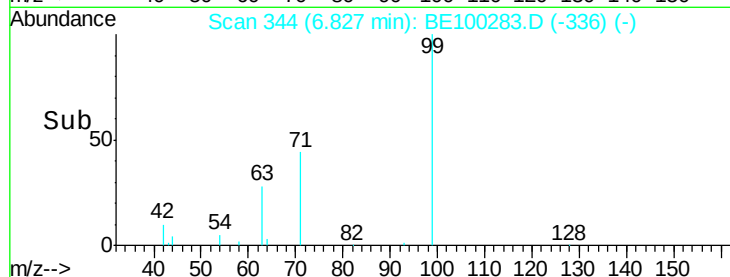
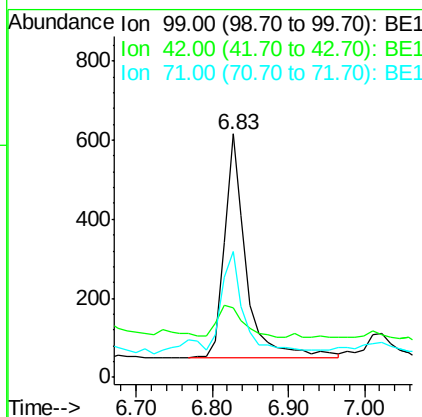
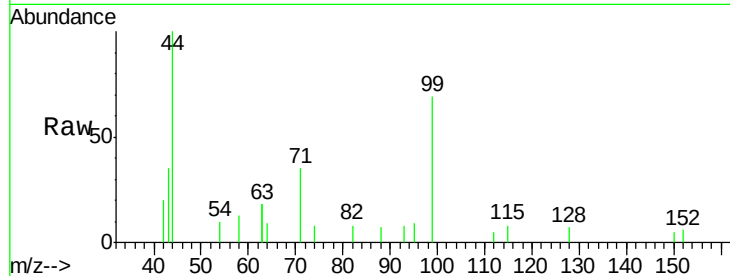
ClientSampleId :

EXT-008-SW114-061819

Tot Ion:	99	Resp:	1137
Ion	Ratio	Lower	Upper
99	100		
42	16.9	11.2	16.8#
71	42.2	37.2	55.8

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#7

Naphthalene-d8

Concen: 0.400 ng

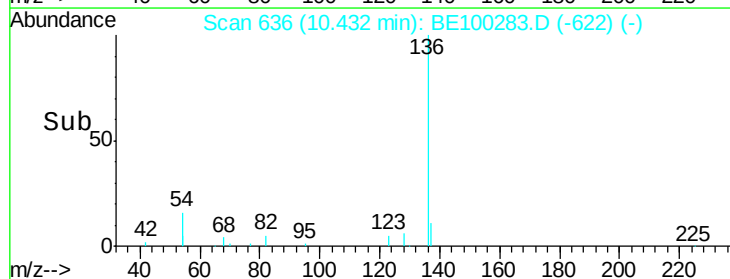
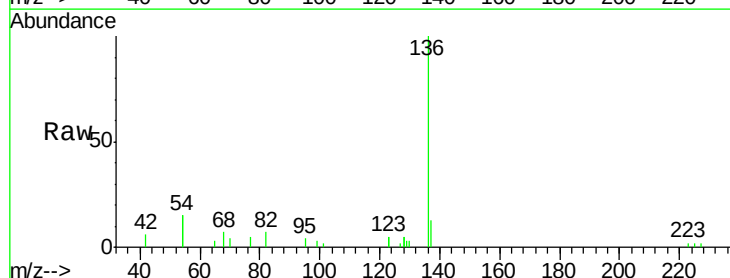
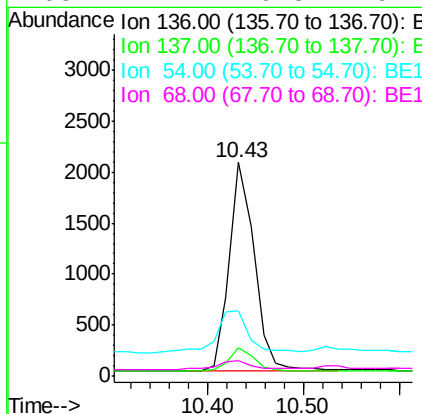
RT: 10.43 min Scan# 636

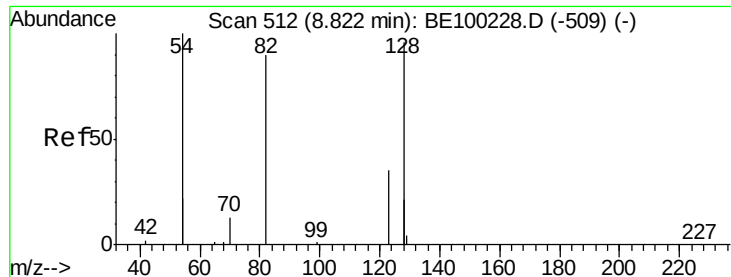
Delta R.T. -0.01 min

Lab File: BE100283.D

Acq: 2 Jul 2019 2:56

Tgt Ion:	136	Resp:	3758
Ion	Ratio	Lower	Upper
136	100		
137	12.9	11.8	17.8
54	30.4	27.7	41.5
68	7.4	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.312 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100283.D

Acq: 2 Jul 2019 2:56

Instrument :

BNA_E

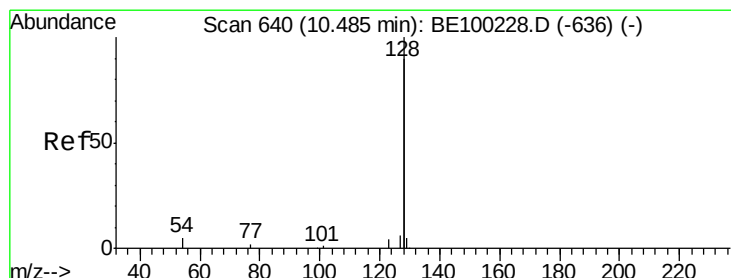
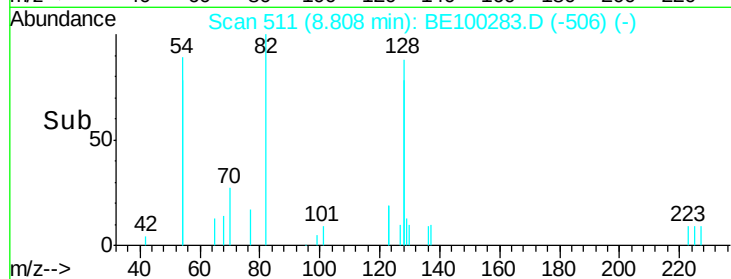
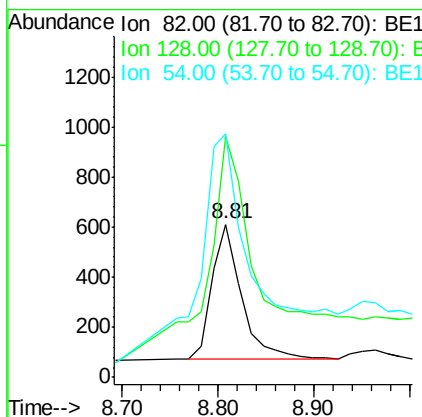
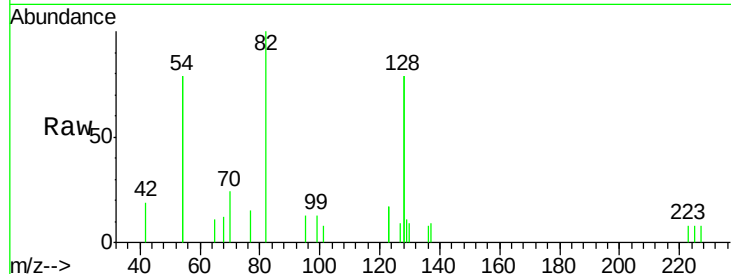
ClientSampleId :

EXT-008-SW114-061819

Tot Ion:	82	Resp:	1165
Ion	Ratio	Lower	Upper
82	100		
128	157.5	140.9	211.3
54	158.8	146.2	219.2

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#9

Naphthalene

Concen: 0.320 ng

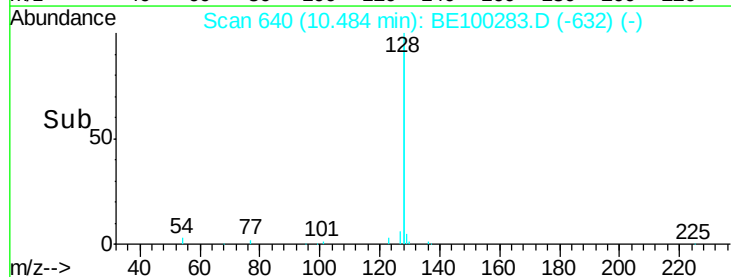
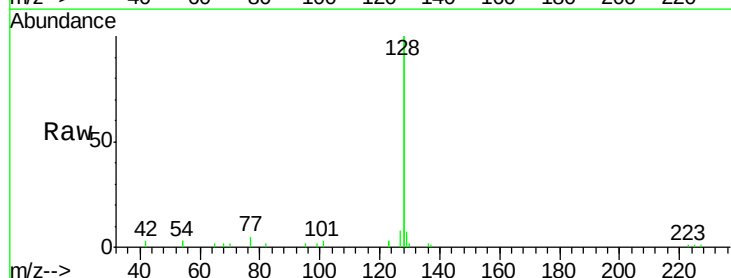
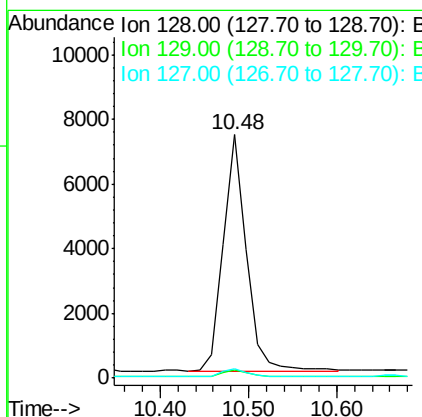
RT: 10.48 min Scan# 640

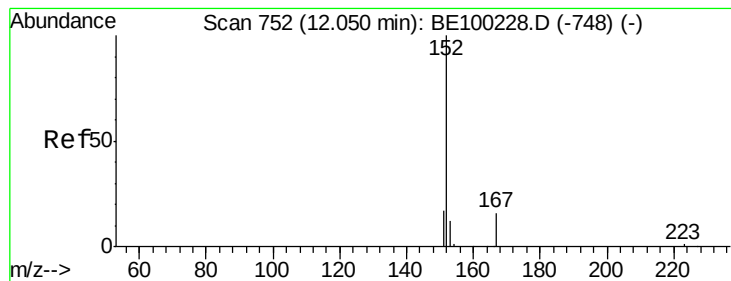
Delta R.T. -0.00 min

Lab File: BE100283.D

Acq: 2 Jul 2019 2:56

Tgt Ion:	128	Resp:	13257
Ion	Ratio	Lower	Upper
128	100		
129	3.4	3.0	4.6
127	3.9	3.5	5.3





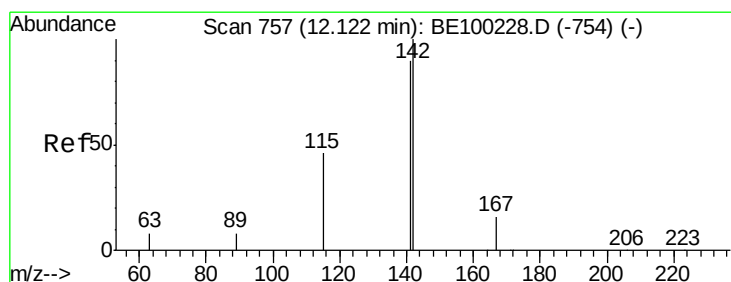
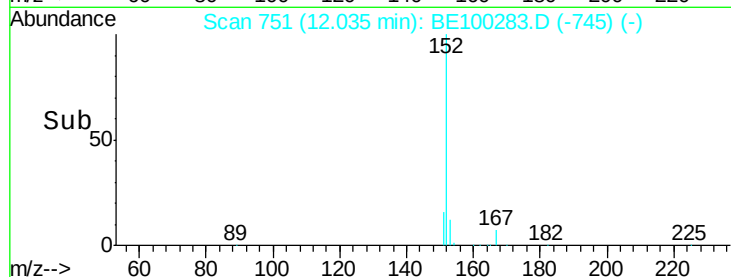
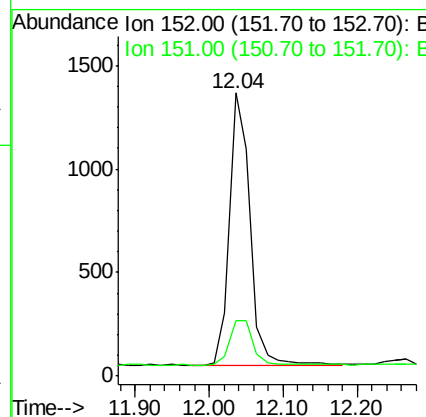
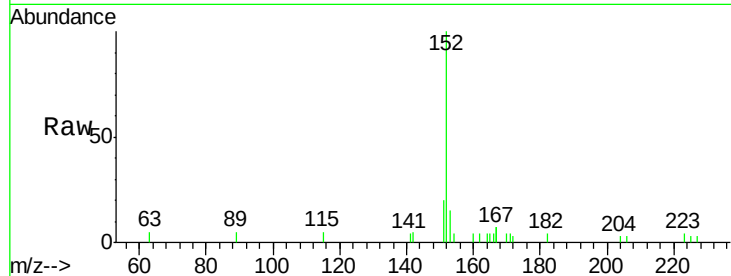
#11
2-Methylnaphthalene-d10
Concen: 0.359 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819

Tot Ion:152 Resp: 2536
Ion Ratio Lower Upper
152 100
151 19.6 15.1 22.7

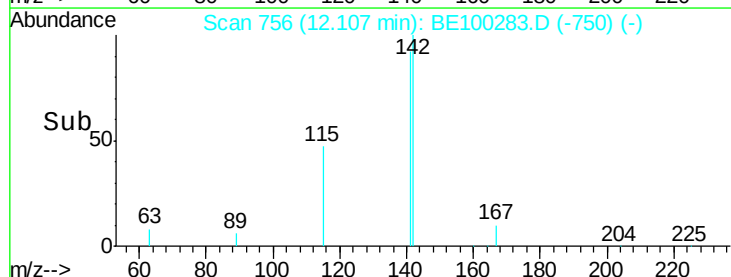
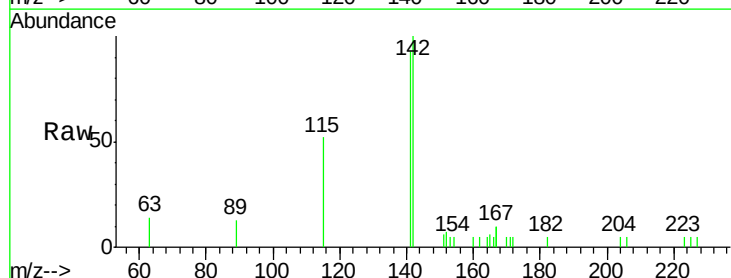
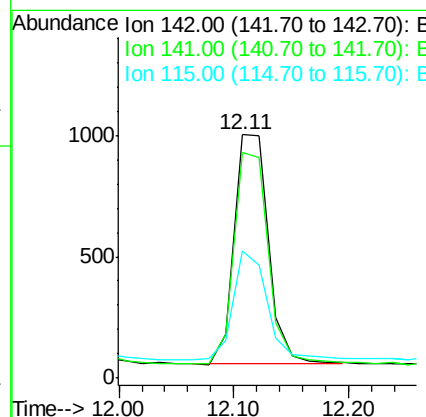
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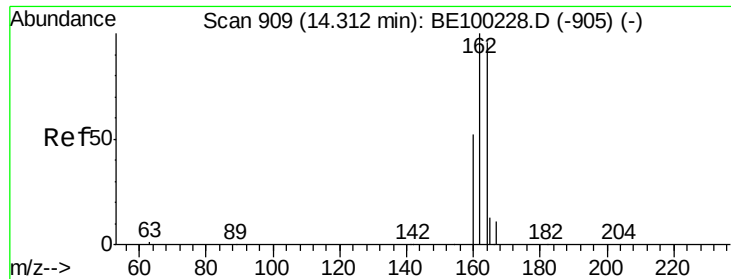
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#12
2-Methylnaphthalene
Concen: 0.267 ng
RT: 12.11 min Scan# 756
Delta R.T. -0.01 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Tgt Ion:142 Resp: 1945
Ion Ratio Lower Upper
142 100
141 92.7 72.4 108.6
115 52.2 40.4 60.6





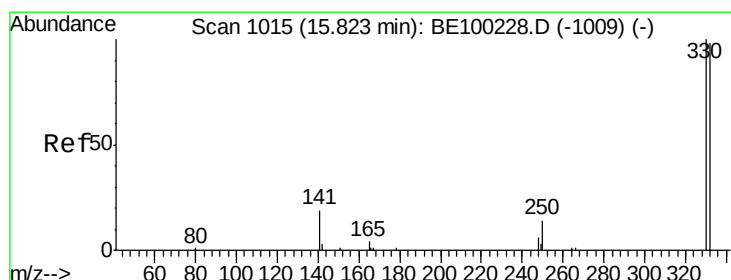
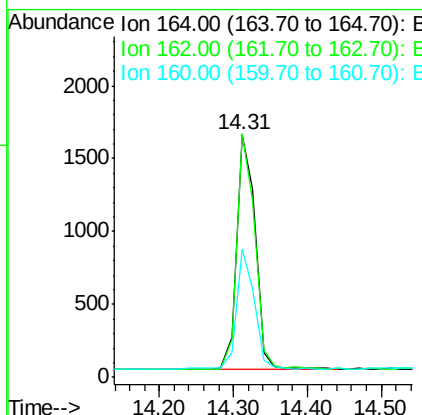
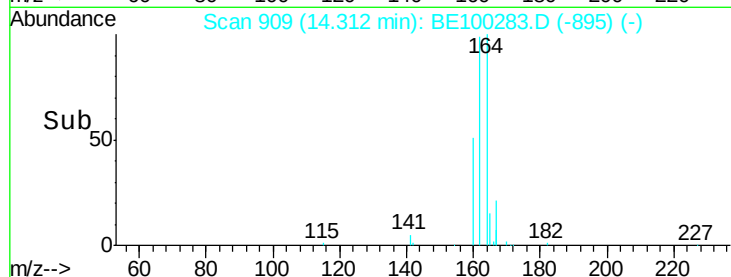
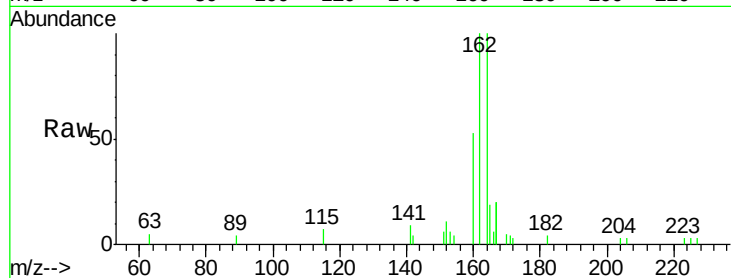
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. -0.00 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	83.4	125.0
160	53.0	45.0	67.6

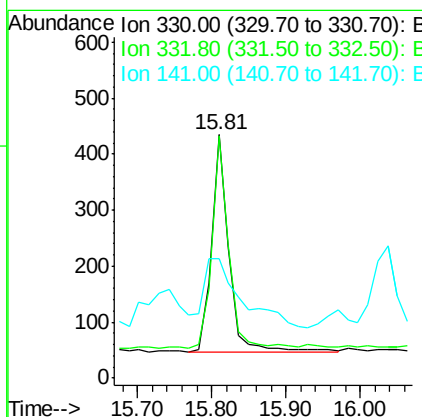
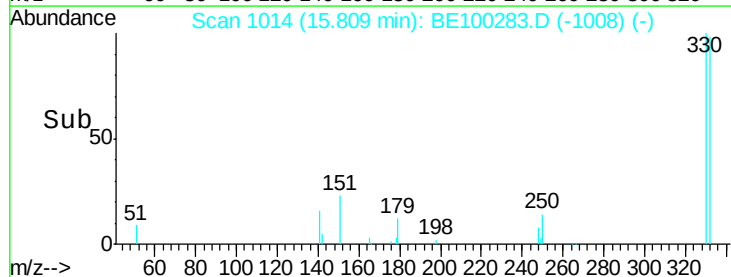
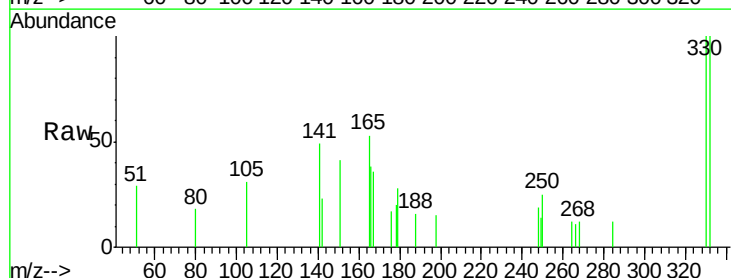
Manual Integrations
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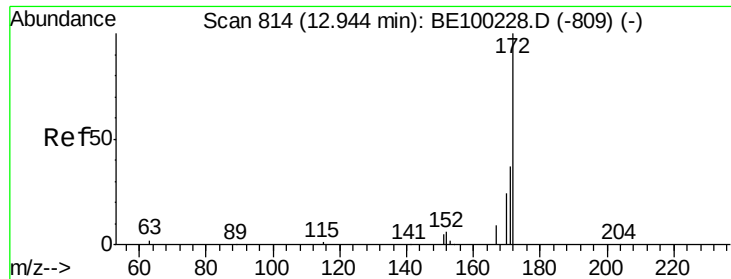
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#14
2,4,6-Tribromophenol
Concen: 0.322 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Tgt Ion	Ratio	Lower	Upper
330	100		
332	93.1	77.0	115.4
141	68.7	22.0	33.0#





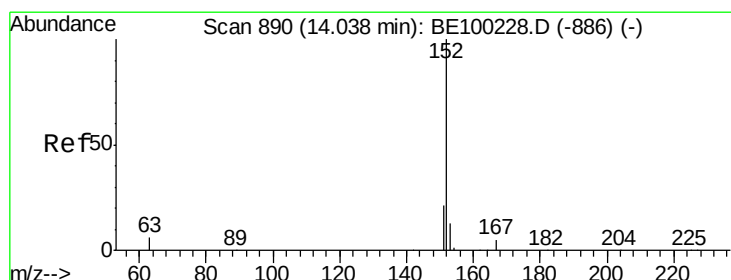
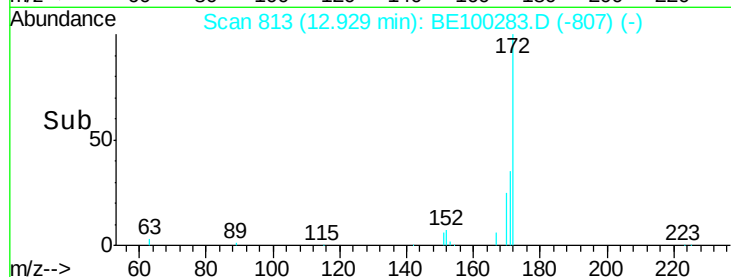
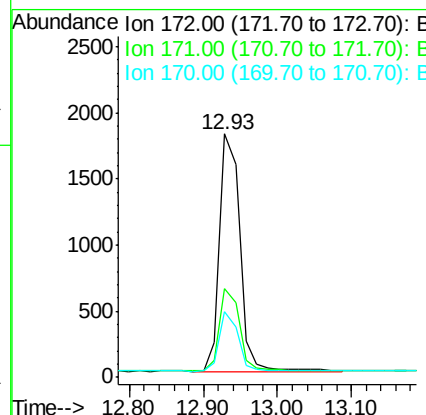
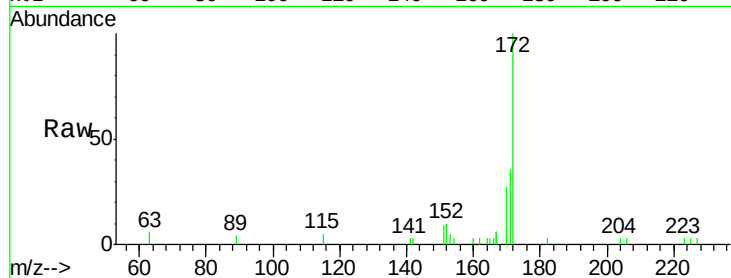
#15
2-Fluorobiphenyl
Concen: 0.312 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	31.9	47.9
170	27.2	22.2	33.2

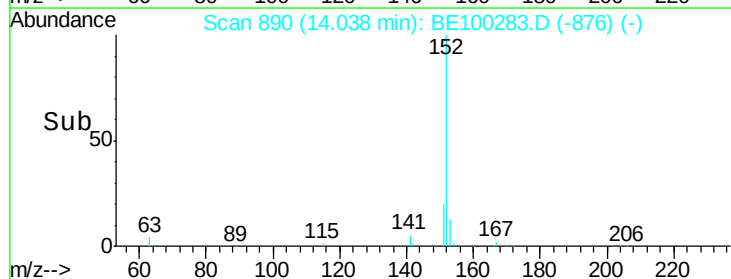
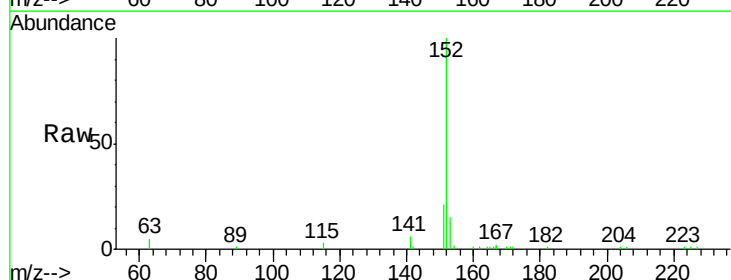
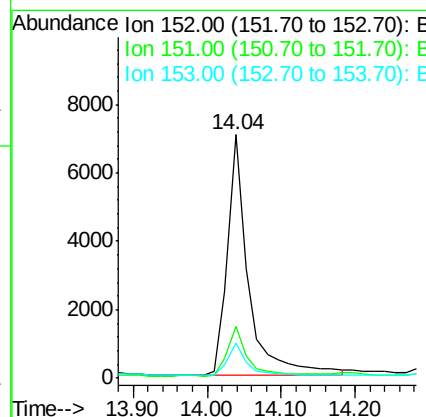
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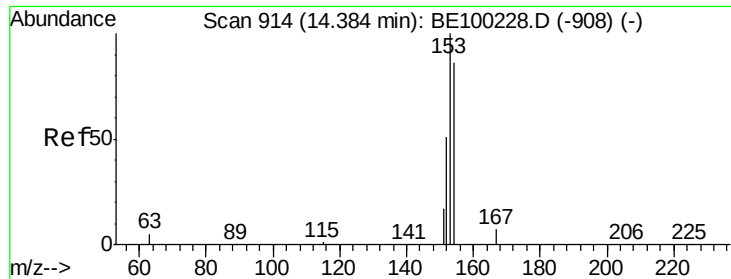
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#16
Acenaphthylene
Concen: 1.028 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	13.0	10.5	15.7





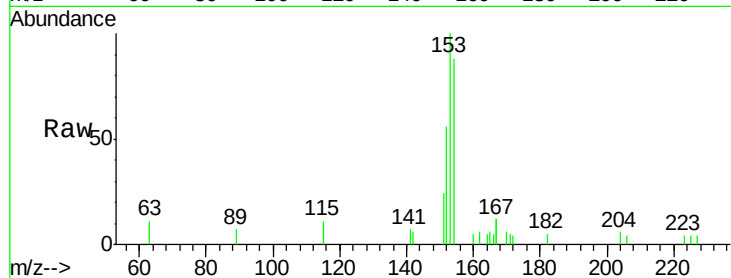
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Acenaphthene
Concen: 0.193 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819

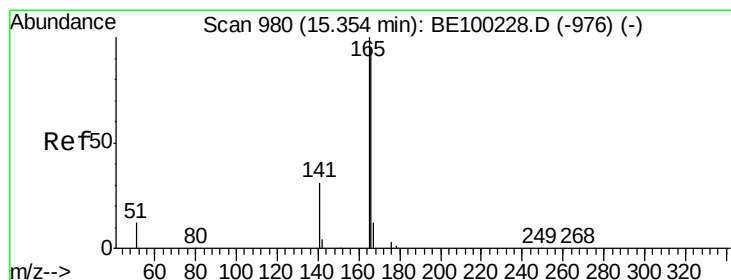
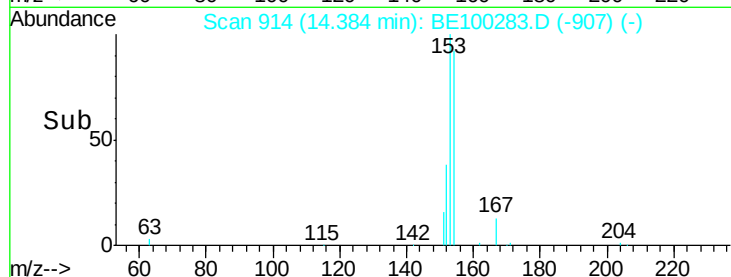
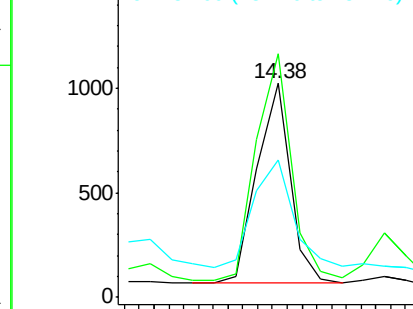
Tot Ion	Ratio	Lower	Upper
154	100		
153	119.6	93.4	140.2
152	65.4	49.4	74.2

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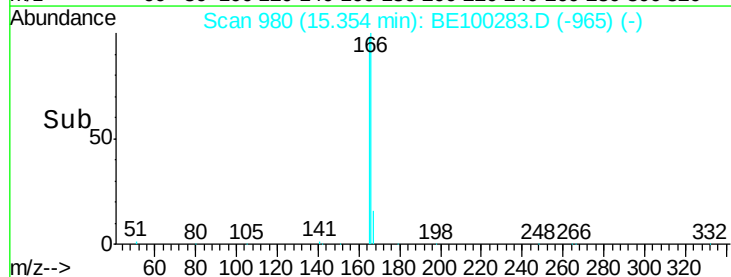
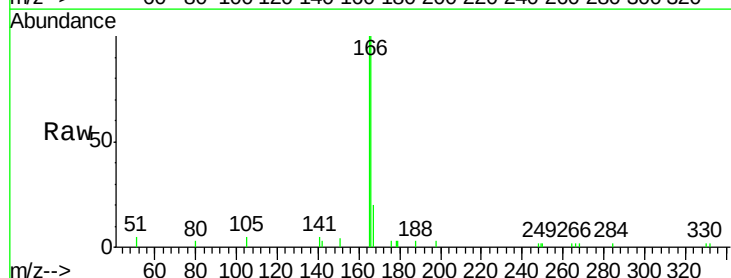
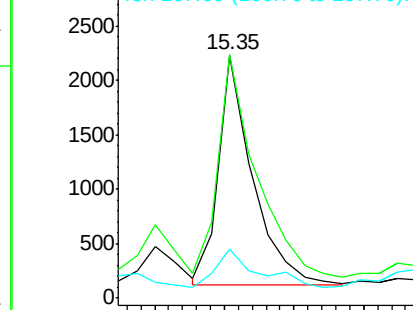
Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

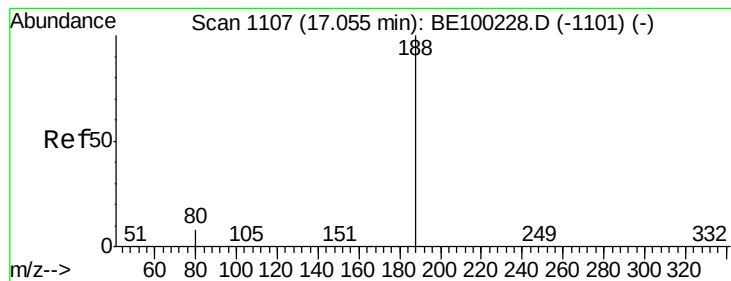


#18
Fluorene
Concen: 0.319 ng
RT: 15.35 min Scan# 980
Delta R.T. -0.00 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.5	81.1	121.7
167	20.5	10.7	16.1

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100283.D

Acq: 2 Jul 2019 2:56

Instrument :

BNA_E

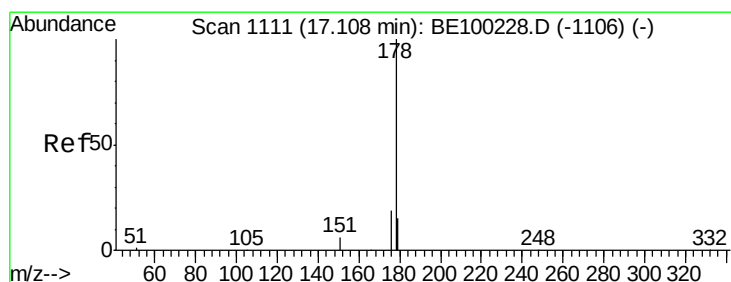
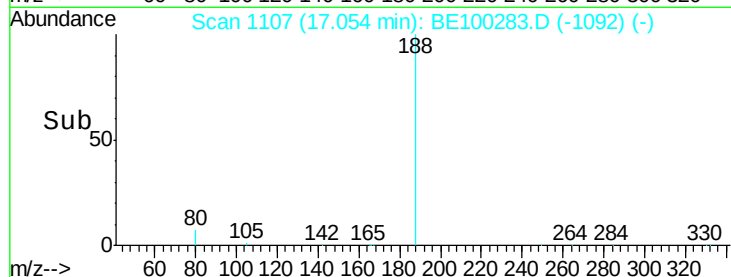
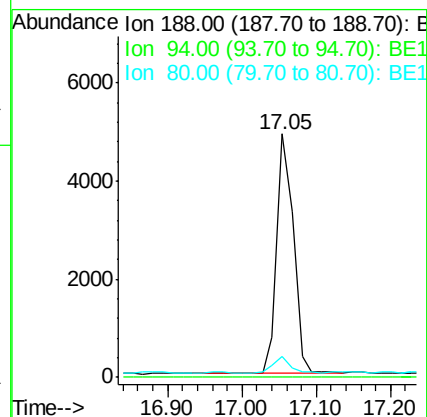
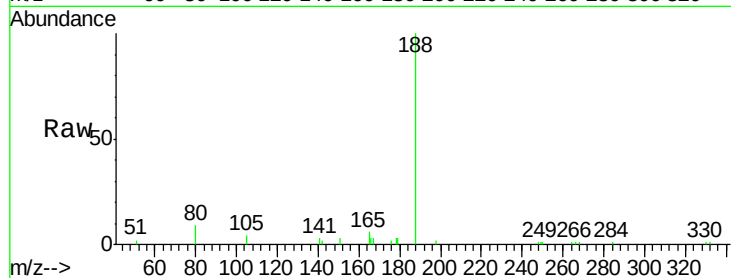
ClientSampleId :

EXT-008-SW114-061819

Tot Ion:	188	Resp:	7556
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	8.8	7.6	11.4

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#23

Phenanthrene

Concen: 5.761 ng

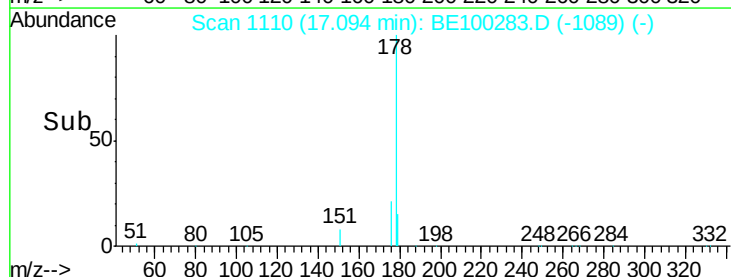
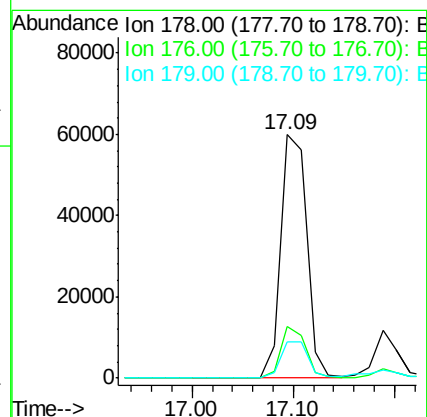
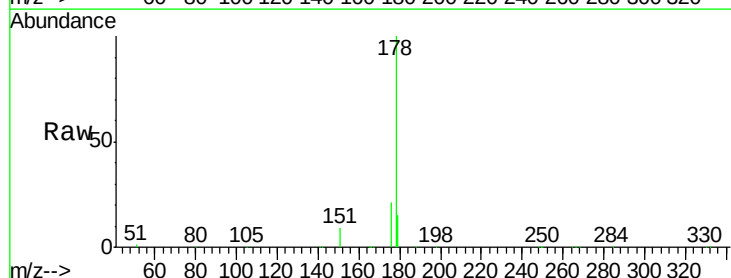
RT: 17.09 min Scan# 1110

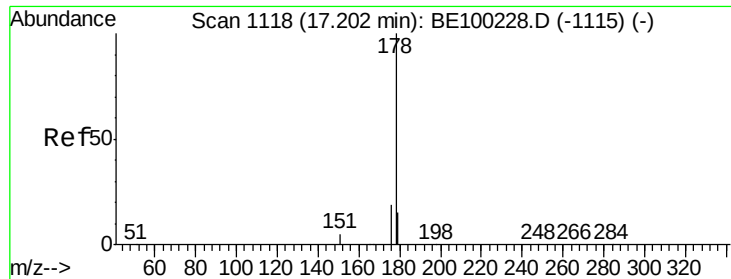
Delta R.T. -0.01 min

Lab File: BE100283.D

Acq: 2 Jul 2019 2:56

Tgt Ion:	178	Resp:	105500
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.9	23.9
179	15.3	12.2	18.2





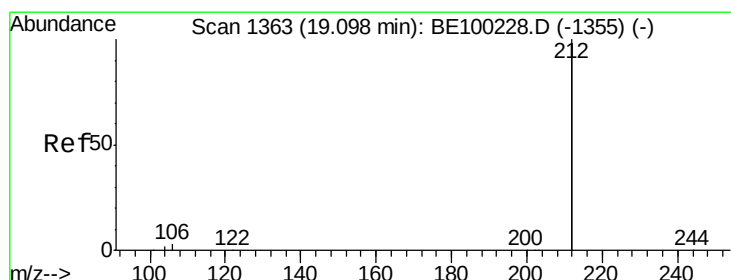
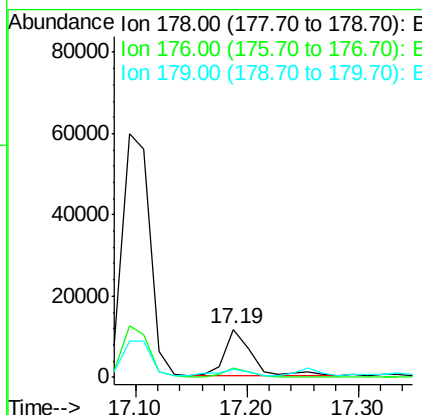
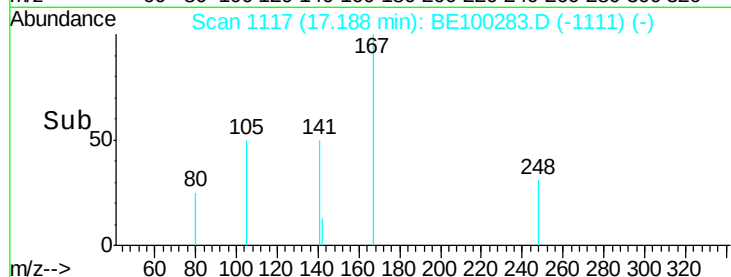
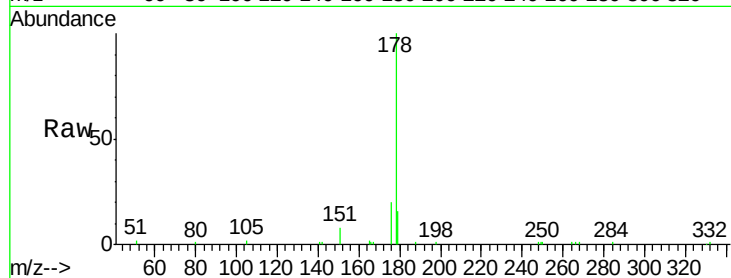
#24
 Anthracene
 Concen: 1.108 ng
 RT: 17.19 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BE100283.D
 Acq: 2 Jul 2019 2:56

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW114-061819

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	19.0	12.2	18.2

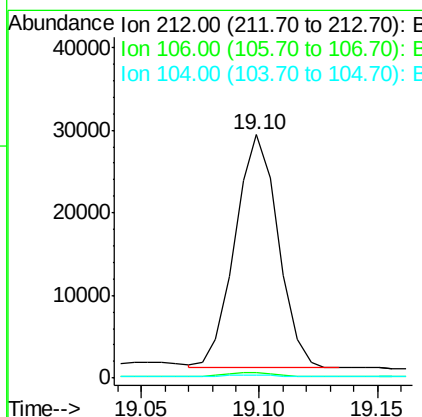
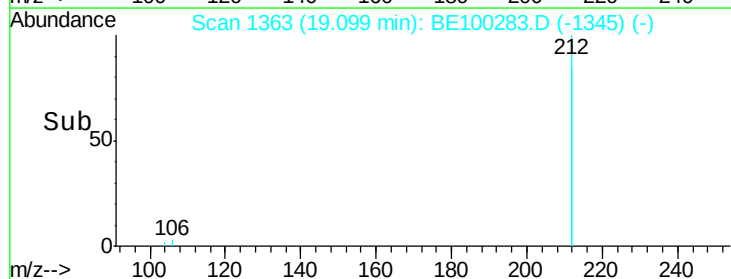
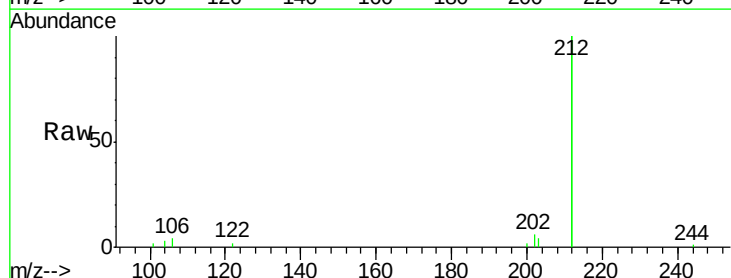
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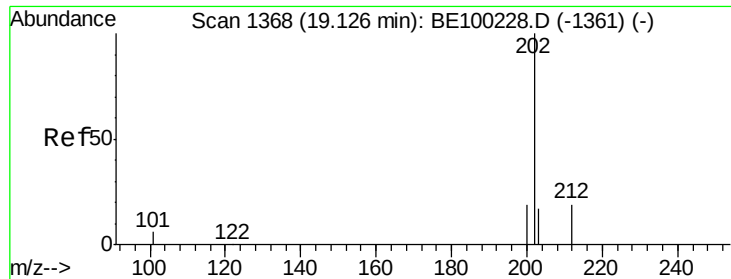
mohammad
 7/3/2019 10:52:50 PM



#25
 Fluoranthene-d10
 Concen: 0.328 ng
 RT: 19.10 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: BE100283.D
 Acq: 2 Jul 2019 2:56

Tgt Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.3	1.9
104	1.0	0.8	1.2





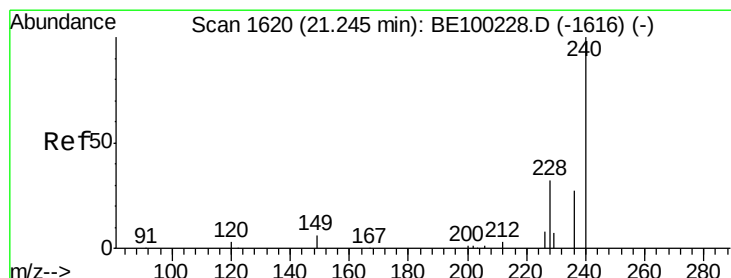
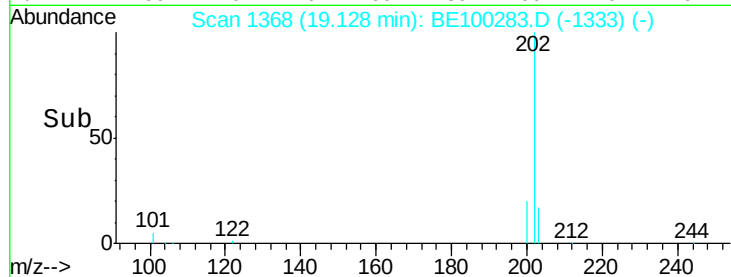
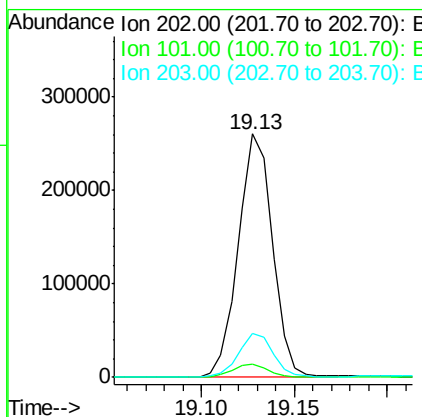
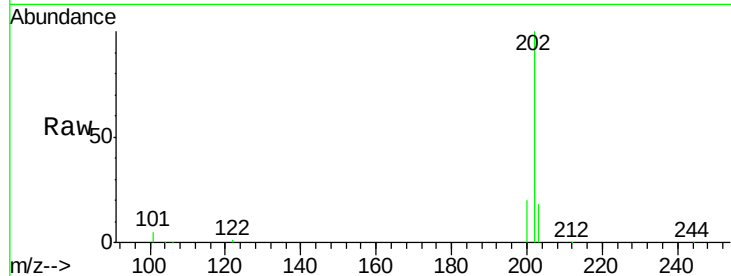
#26
Fluoranthene
Concen: 11.455 ng
RT: 19.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819

Tot Ion	Ratio	Resp	Lower	Upper
202	100	334154		
101	5.3		4.6	7.0
203	17.7		13.7	20.5

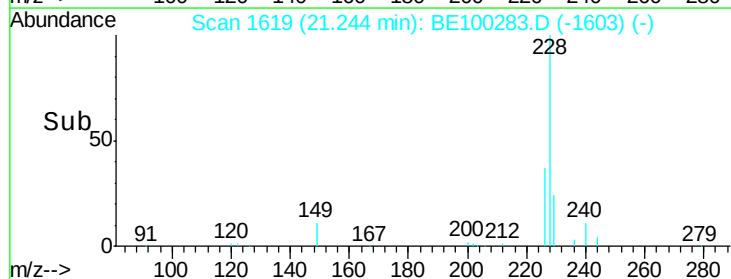
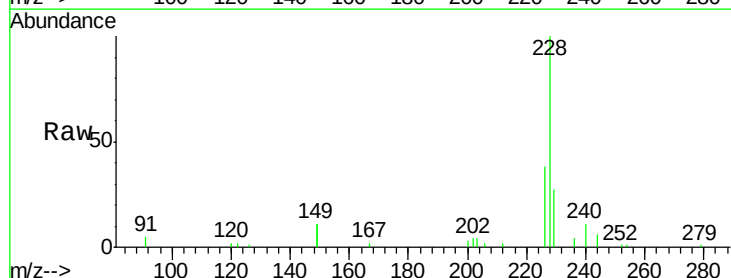
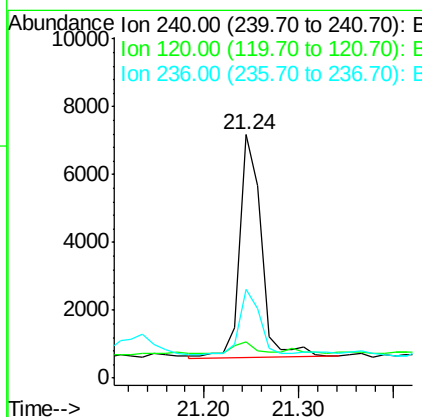
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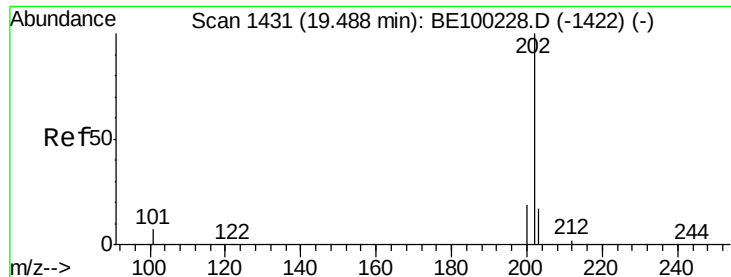
mohammad
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.24 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	10402		
120	15.0		3.3	4.9#
236	36.4		22.6	34.0#





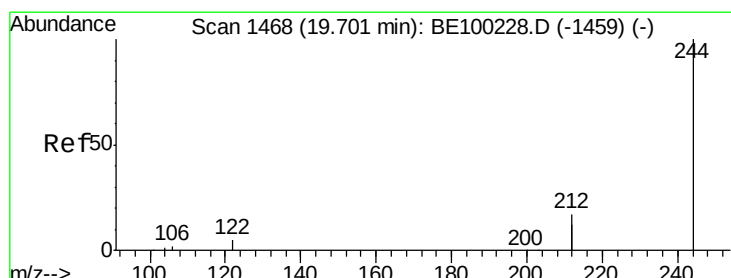
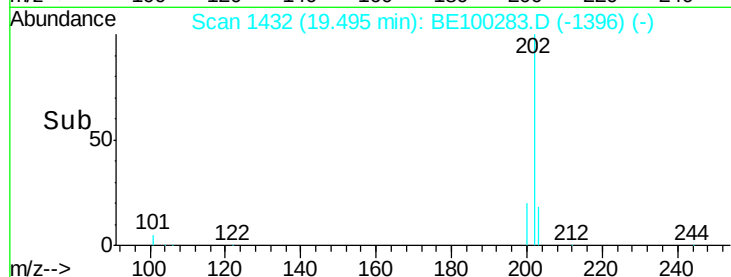
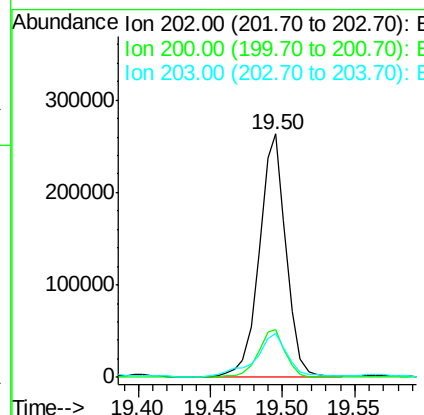
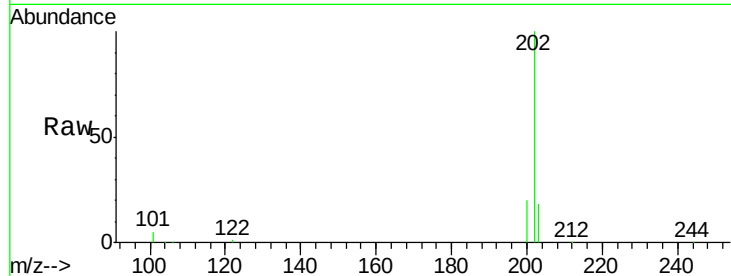
#28
Pvrene
Concen: 12.343 ng
RT: 19.50 min Scan# 1432
Delta R.T. 0.01 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.9	15.6	23.4
203	21.3	14.0	21.0#

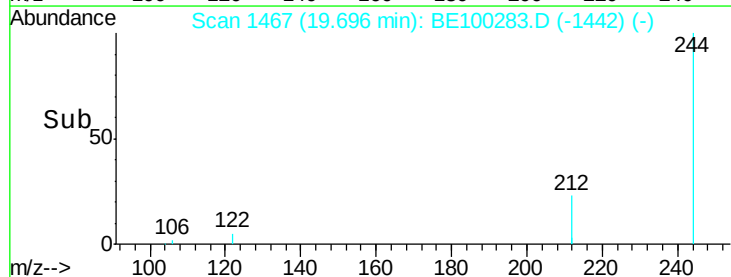
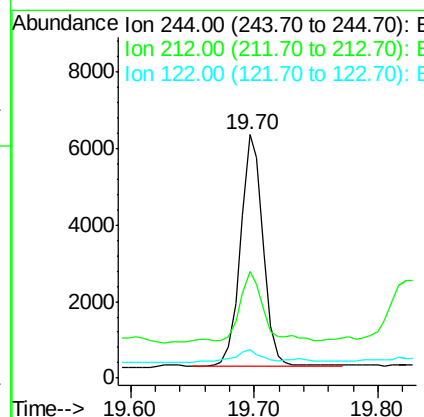
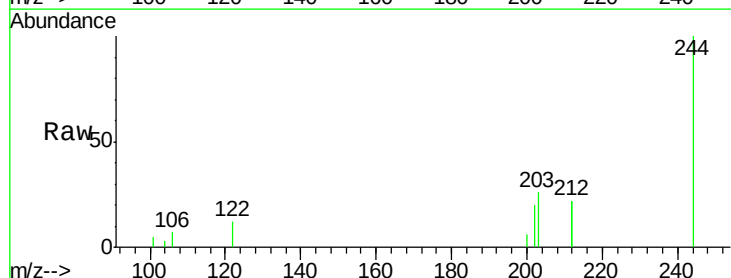
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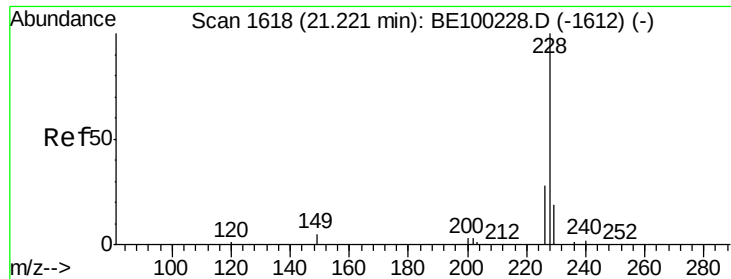
mohammad
7/3/2019 10:52:50 PM



#29
Terphenyl-d14
Concen: 0.362 ng
RT: 19.70 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	43.6	27.3	40.9#
122	11.9	4.7	7.1#





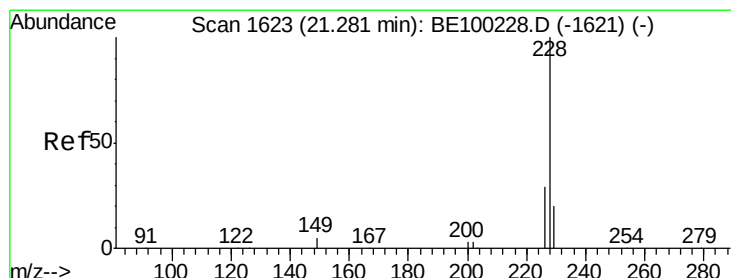
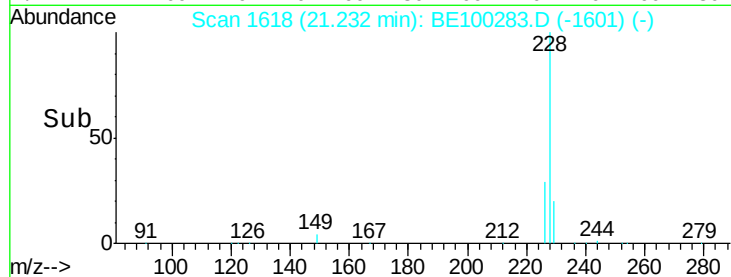
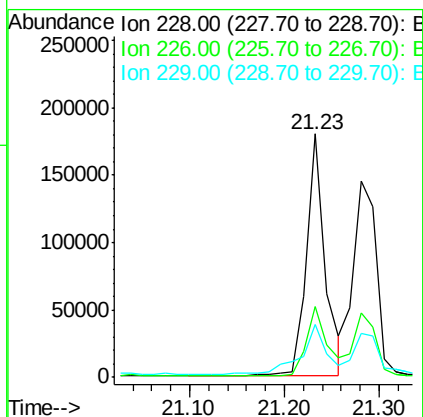
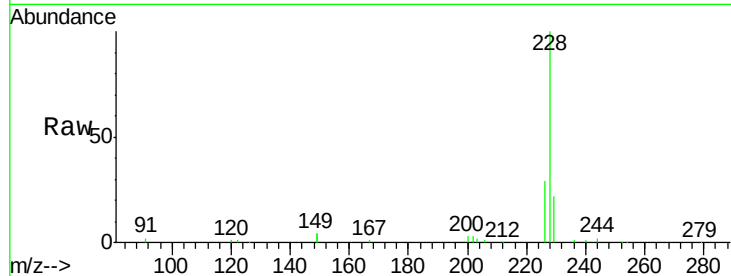
#30
Benzo(a)anthracene
Concen: 7.213 ng
RT: 21.23 min Scan# 1618
Delta R.T. 0.01 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.2	34.8
229	21.8	15.7	23.5

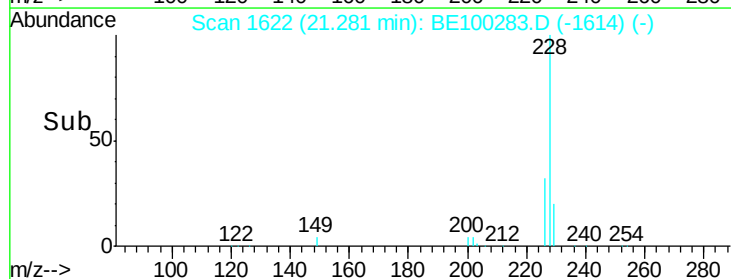
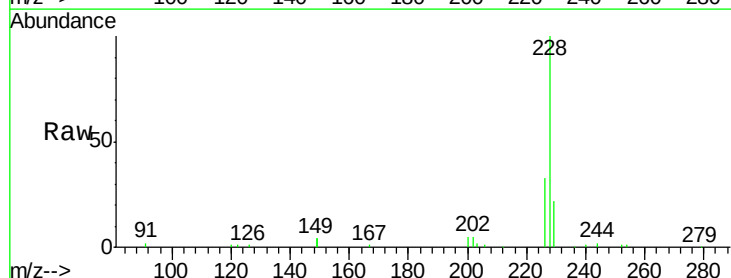
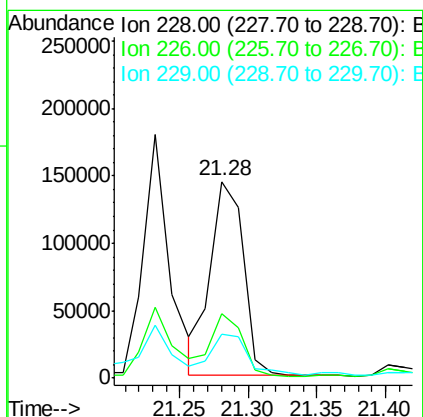
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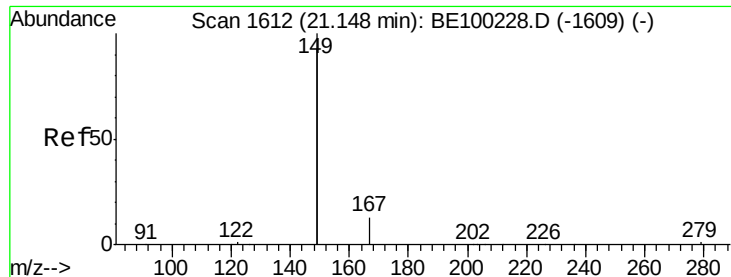
mohammad
7/3/2019 10:52:50 PM



#31
Chrysene
Concen: 7.023 ng
RT: 21.28 min Scan# 1622
Delta R.T. -0.00 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	23.9	35.9
229	22.4	16.5	24.7





#32

Bis(2-ethylhexyl)phthalate

Concen: 2.336 ng

RT: 21.16 min Scan# 1612

Delta R.T. 0.01 min

Lab File: BE100283.D

Acq: 2 Jul 2019 2:56

Instrument :

BNA_E

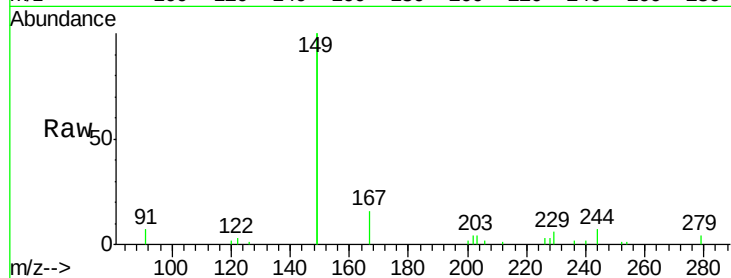
ClientSampleId :

EXT-008-SW114-061819

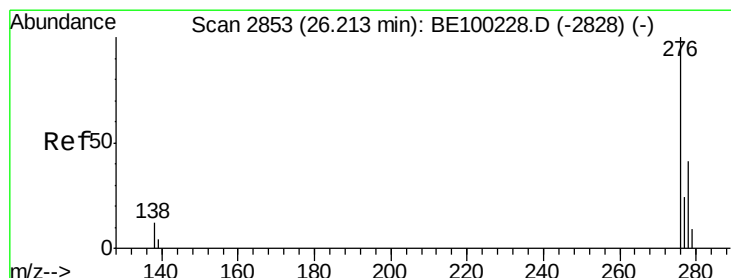
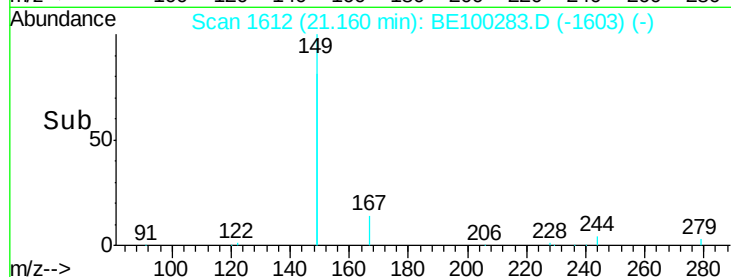
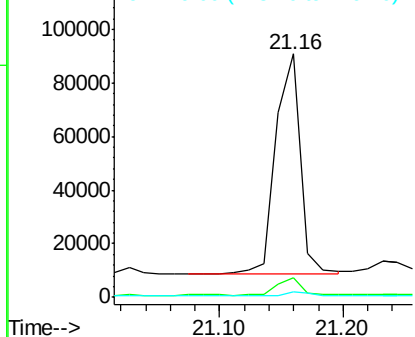
Tot Ion:	149	Resp:	115726
Ion Ratio	Lower	Upper	
149	100		
167	7.3	5.8	8.8
279	1.6	1.1	1.7

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 3.388 ng

RT: 26.25 min Scan# 2862

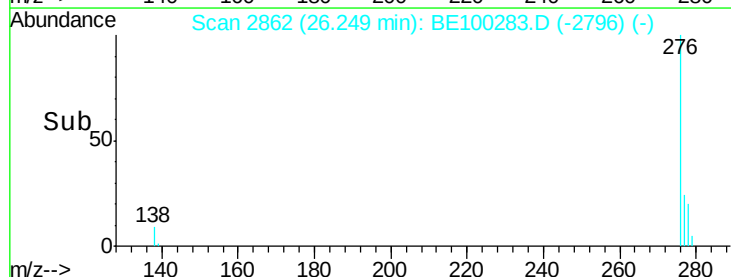
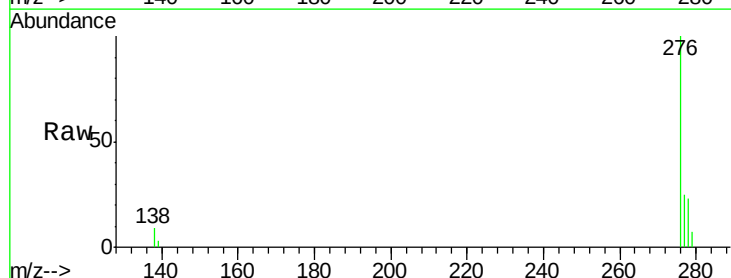
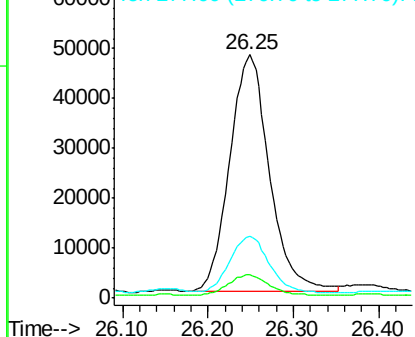
Delta R.T. 0.04 min

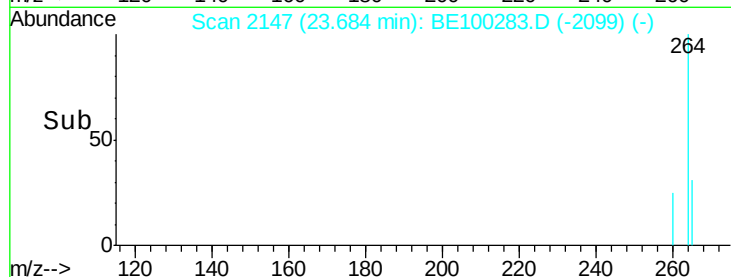
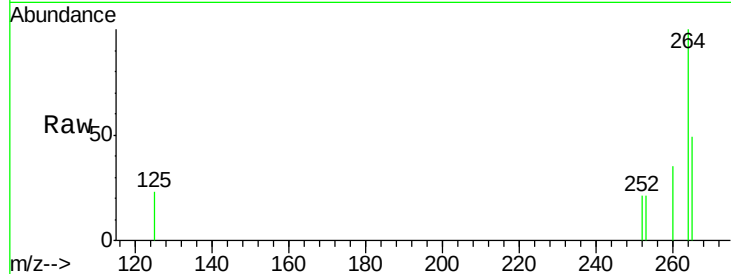
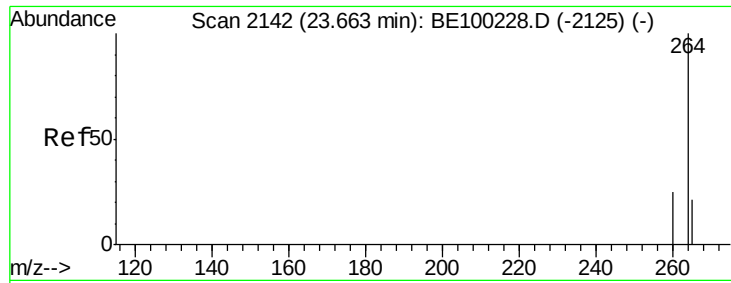
Lab File: BE100283.D

Acq: 2 Jul 2019 2:56

Tgt Ion:	276	Resp:	153905
Ion Ratio	Lower	Upper	
276	100		
138	8.4	9.4	14.0#
277	23.4	19.2	28.8

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





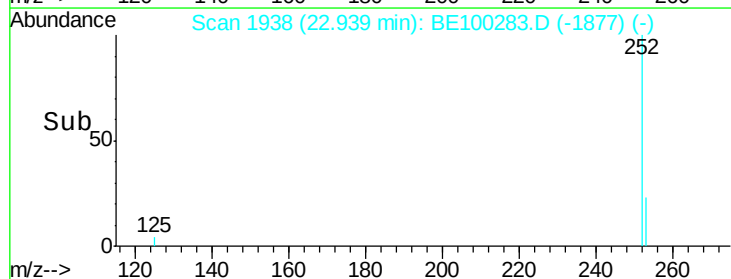
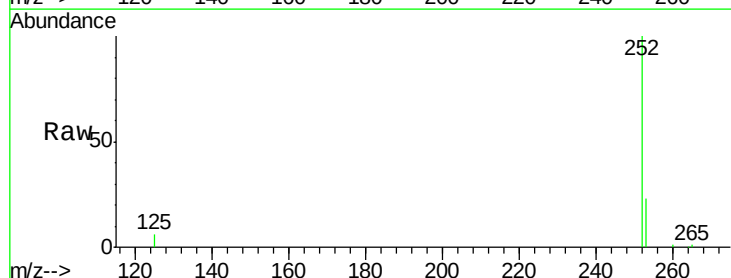
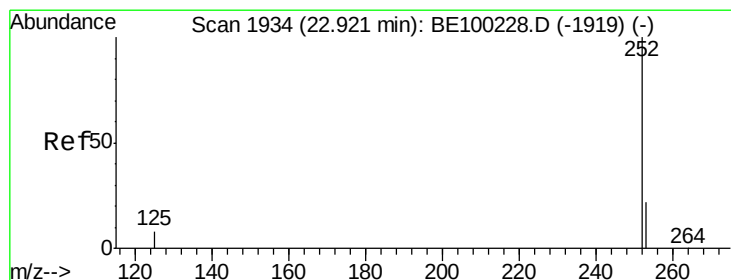
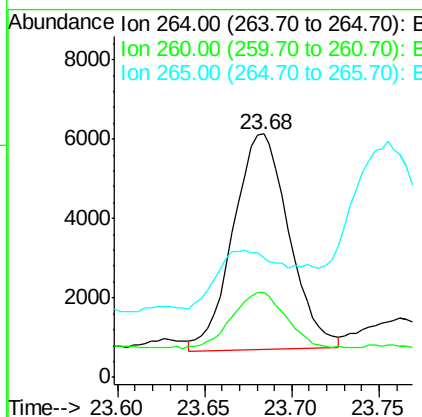
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2147
 Delta R.T. 0.02 min
 Lab File: BE100283.D
 Acq: 2 Jul 2019 2:56

Tot Ion	Ratio	Lower	Upper
264	100		
260	34.9	20.8	31.2#
265	49.2	21.8	32.6#

Instrument :
 BNA_E
 ClientSampleId :
 EXT-008-SW114-061819

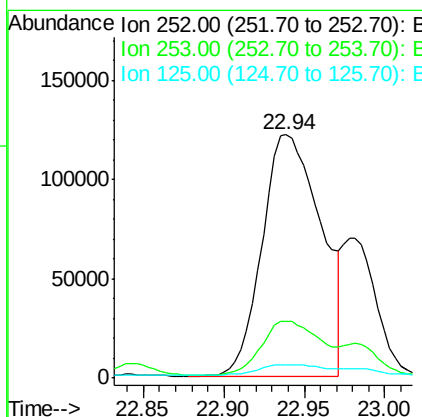
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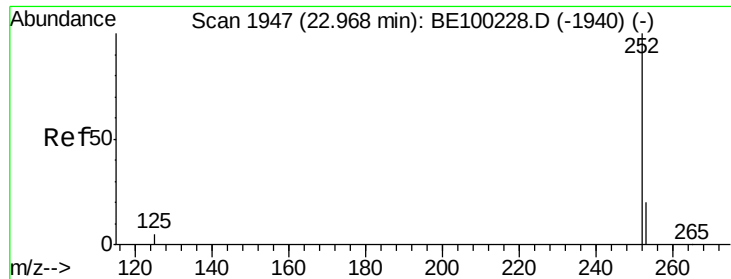
mohammad
 7/3/2019 10:52:50 PM



#35
 Benzo(b)fluoranthene
 Concen: 9.532 ng
 RT: 22.94 min Scan# 1938
 Delta R.T. 0.02 min
 Lab File: BE100283.D
 Acq: 2 Jul 2019 2:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.2	28.8
125	5.6	7.4	11.0#





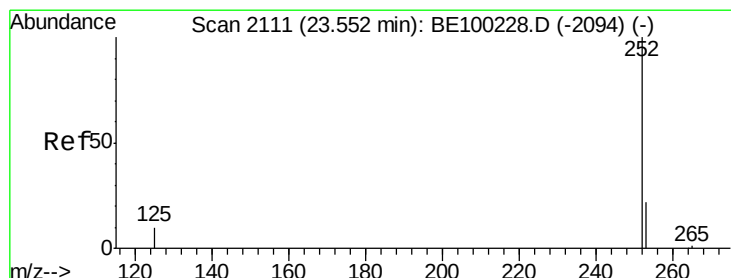
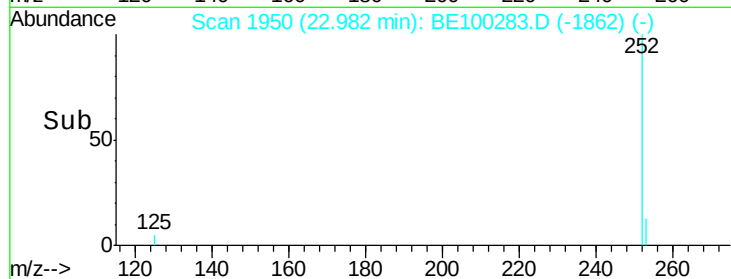
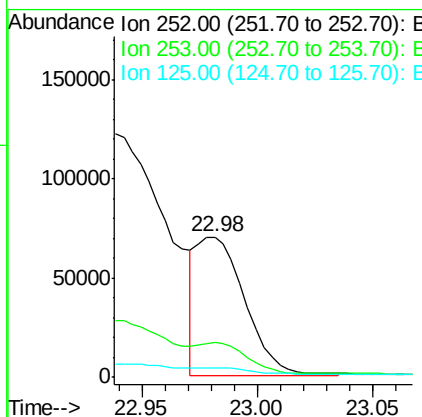
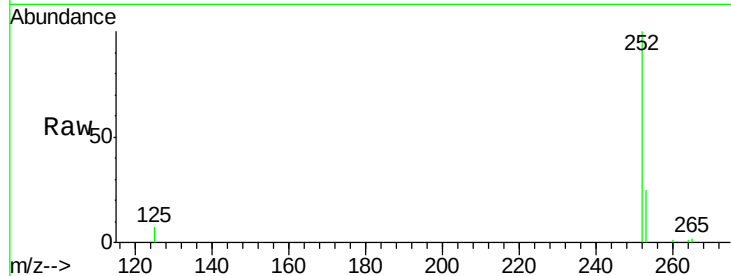
#36
Benzo(k)fluoranthene
Concen: 2.763 ng m
RT: 22.98 min Scan# 1950
Delta R.T. 0.01 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.9	26.9
125	7.1	5.0	7.4

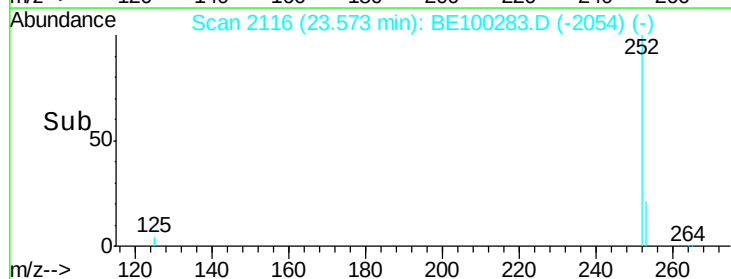
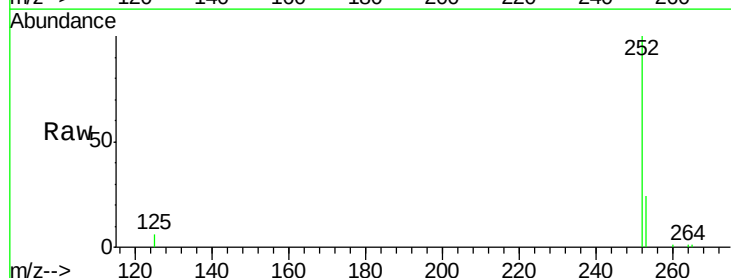
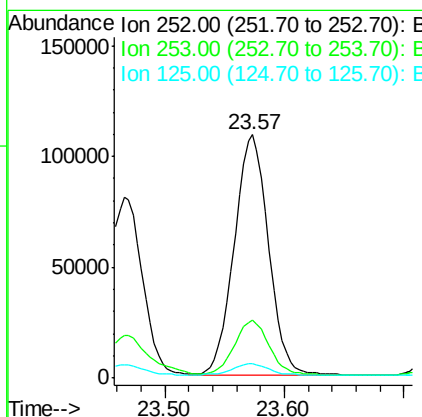
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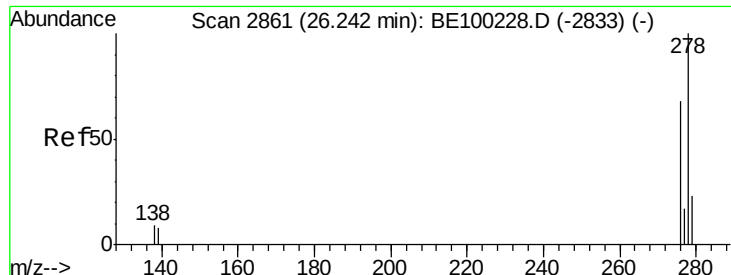
mohammad
7/3/2019 10:52:50 PM



#37
Benzo(a)pyrene
Concen: 6.622 ng m
RT: 23.57 min Scan# 2116
Delta R.T. 0.02 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	19.6	29.4
125	5.9	9.0	13.6





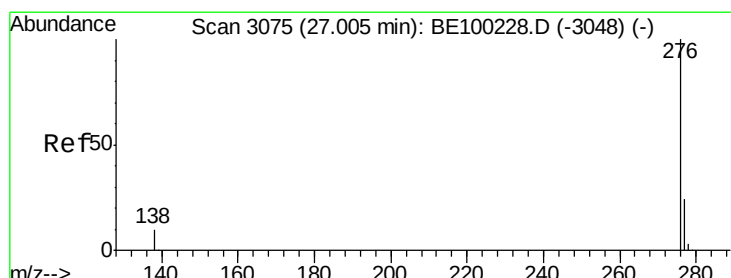
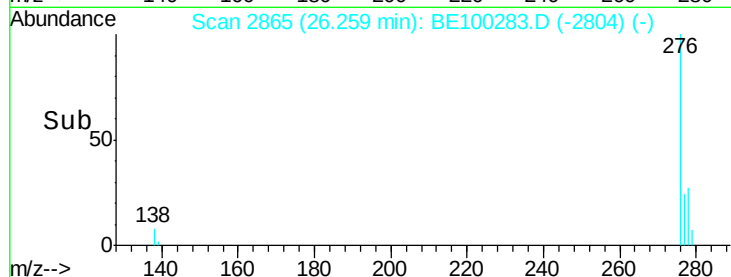
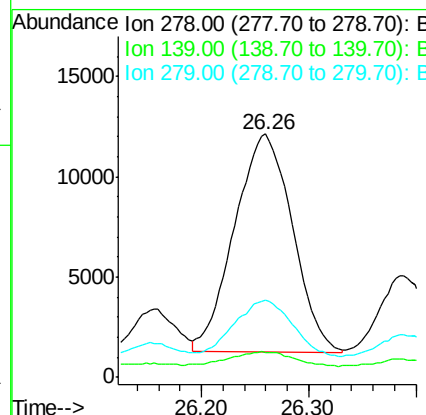
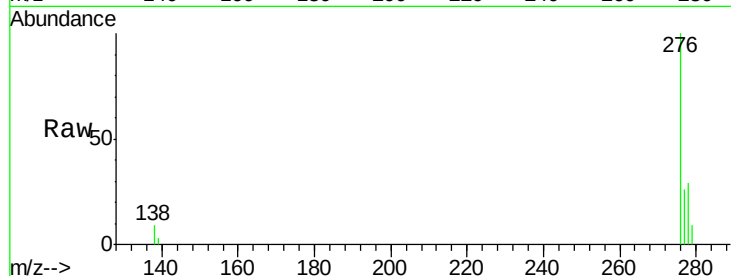
#38
Dibenzo(a,h)anthracene
Concen: 1.191 ng
RT: 26.26 min Scan# 2865
Delta R.T. 0.02 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Instrument :
BNA_E
ClientSampleId :
EXT-008-SW114-061819

Tot Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.2	12.2
279	31.6	20.3	30.5#

Manual Integrations
APPROVED

mohammad
7/3/2019 10:52:50 PM



#39
Benzo(g,h,i)perylene
Concen: 4.469 ng
RT: 27.04 min Scan# 3085
Delta R.T. 0.04 min
Lab File: BE100283.D
Acq: 2 Jul 2019 2:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	20.2	30.2
138	9.7	9.0	13.6

